



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Blue Ridge Regional Office

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April 28, 2009

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Mr. Steven Jones
John H. Kerr Powerhouse
5460 Buggs Island Road
Boydton, VA 23917

Re: Technical and Laboratory Inspection Report
John H. Kerr Powerhouse-Boydton- Permit Number: VA0091863

Dear Mr. Jones:

For your review I have enclosed the Technical and Laboratory Inspection Reports for the inspection, which took place on April 16, 2009. I have also incorporated into the report the digital photographs, which I took on the day of the inspection.

Thank you for all of your cooperation and the documentation that you supplied for the inspection.

If you have any questions regarding these reports, please feel free to contact me at the above address, by telephone (434) 582-6208, or by e-mail sbowman@deq.virginia.gov.

Sincerely,

A handwritten signature in cursive script, reading "Stephanie Bowman".

Stephanie Bowman
Water Compliance Inspector Senior

Enclosure

cc: DEQ/BRRO-L: File

INSPECTION OVERVIEW AND CONDITION OF TREATMENT UNITS

OUTFALL DESCRIPTIONS:

Outfall 001

1. Outfall 001- Main Station Sump receives flow via pump systems and oil absorbents are used for treatment if oil is detected.
2. Water is withdrawn below the surface in the sump and discharged to tailrace- Lake Gaston.
3. At the time of the inspection, there was no oil observed on the surface water in the Main station pump.

Outfall 002

1. Outfall 002 receives leakage from the Dam Sump and is discharged to tailrace.

Outfall 003

1. Outfall 003 receives discharge from the Transformer Deck where an oil/water separator is used for treatment prior to discharging to the tailrace.
2. The sample is pulled via a valve at this location.
3. The inspector observed what appeared to be iron bacteria in the drainage trough which contained stagnant water. This bacteria was observed floating on the surface just below the oil/water separator discharge pipe for outfall 003.
4. At the time of the inspection, outfall 003 was discharging. There was no evidence of petroleum product on the surface of the water.

Outfall 004

1. Outfall 004 receives discharge from the HVAC cooling system, there is no treatment applied here, discharges to the tailrace.
2. The inspector observed that outfall 004 was discharging at the time of the inspection.

Outfalls 005 – 011

1. Outfalls 005 through 011 receive discharge from generators 1-7 respectively. There is no treatment and discharges to tailrace.
2. There was no evidence of any sheen coming from this location to the tailrace area along the public fishing location.

Outfalls 012 & 013

1. Station service Generators A & B which also receive no treatment prior to discharge to tailrace.
2. There was no evidence of any sheen coming from this location to the tailrace area.

Outfall 14

1. Outfall 014 receives flow from the switchyard drainage ditch and is rainfall dependent.
2. There was no discharge at the time of the inspection.